

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) A hydrocarbon synthesis Fischer-Tropsch process comprising the conversion of converting a feed of H<sub>2</sub> and at least one carbon oxide to hydrocarbons containing at least 30% on a mass basis hydrocarbons with five or more carbon atoms (hereinafter referred to as C<sub>5+</sub> compounds); the conversion being carried out in the presence of an alkali metal promoted iron hydrocarbon synthesis Fischer-Tropsch catalyst and an acidic catalyst suitable for converting hydrocarbons; and the process being characterised therein that the, wherein a reaction mixture formed during the conversion contains less than 0.02 mol alkali metal per 100g iron and [[that]] the H<sub>2</sub> : carbon oxide molar ratio in the feed of H<sub>2</sub> and carbon oxide is at least 2.
2. (Currently amended) The process of claim 1 wherein the synthesised hydrocarbons obtained contain at least 40% on a mass basis of hydrocarbons with five or more carbon atoms C<sub>5+</sub> compounds.
3. (Currently amended) The process of either one of claims 1 or 2 wherein the hydrocarbon synthesis process comprises is a high temperature Fischer-Tropsch process.
4. (Currently amended) The process of any one of the preceding claims claim 1 wherein the at least one carbon oxide in the syngas comprises is CO.
5. (Cancelled).
6. (Currently amended) The process of claim [[5]]1 wherein the promoter comprises potassium or sodium oxide.

7. (Currently amended) The process of any one of the preceding  
claims claim 1 wherein the acidic catalyst comprises a zeolite.

8. (Original) The process of claim 7 wherein the zeolite comprises a  
HZSM-5 zeolite.

9. (Currently amended) The process of any one of the preceding  
claims claim 1 wherein the hydrocarbon synthesis Fischer-Tropsch catalyst and the  
acidic catalyst are contained on separate particles.

10. (Currently amended) Hydrocarbons produced by the process of any-  
one-of-claims claim 1 [[to 9]].

11. (Cancelled).